## RECLAMATION IMPLICATIONS OF OVERLAPPING INDUSTRIES IN SOUTHERN CAMPBELL COUNTY, WYOMING<sup>1</sup>

Brenda K. Schladweiler<sup>2</sup> and Lisa Cox

<u>Abstract:</u> Campbell County in northeastern Wyoming is rich in energy resources. In addition to coal mining that has been present in this region since the early 1900's, the following energy industries have made recent gains into the area, specifically the southern portion of Campbell County:

- Coalbed Methane
- Oil by Directional Drilling/Fracturing
- Uranium
- Coal Gasification
- Underground Coal
- Conventional Oil
- Wind

These resources exist in a lateral and vertical continuum within the geologic landscape. Potential environmental issues are industry specific but can relate unilaterally as well. Since state and federal regulations vary by industry, the overlapping nature of these industries provides challenges in the overall development and monitoring. These regulatory and environmental challenges are outlined.

Additional Key Words: environmental impact, regulations, industry

Paper presented at the 2012 National Meeting of the American Society of Mining and Reclamation, Tupelo, MS *Sustainable Reclamation* June 8 - 15, 2012. R.I. Barnhisel (Ed.) Published by ASMR, 3134 Montavesta Rd., Lexington, KY 40502.

<sup>&</sup>lt;sup>2</sup> Brenda K. Schladweiler, Owner BKS Environmental Associates, Inc., Gillette, Wyoming 82717 Lisa Cox is Soil and Vegetation Technician at BKS Environmental Associates, Rock Springs, WY